AUTODOC CLUB

How to change track rod end on **AUDI A6 Avant (4G5, 4GD, C7)** – replacement guide

SIMILAR VIDEO TUTORIAL

This video shows the replacement procedure of a similar car part on another vehicle

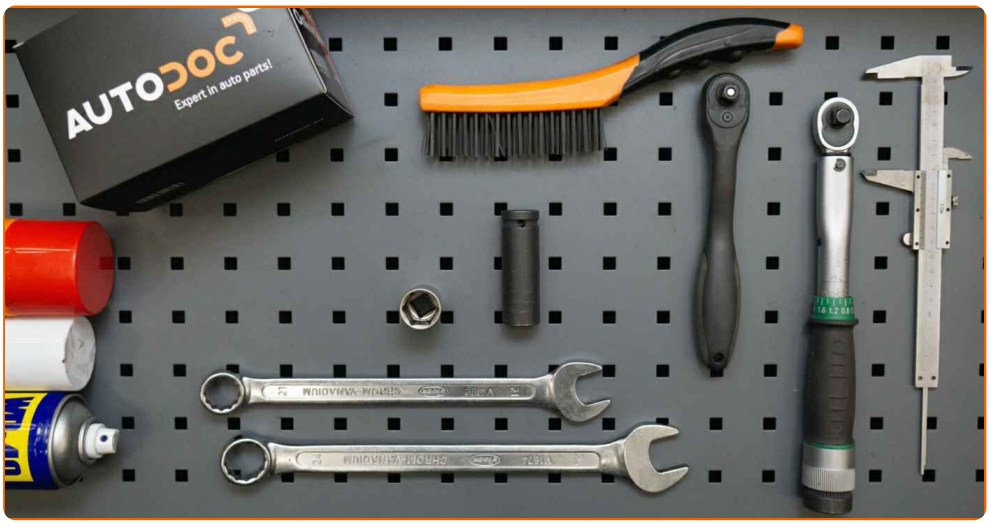
Important!

This replacement procedure can be used for:
AUDI A6 Avant (4G5, 4GD, C7) 2.8 FSI, AUDI A6 Avant (4G5, 4GD, C7) 2.8 FSI quattro, AUDI A6 Avant (4G5, 4GD, C7) 3.0 TFSI quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TDI, AUDI A6 Avant (4G5, 4GD, C7) 3.0 TDI, AUDI A6 Avant (4G5, 4GD, C7) 3.0 TDI quattro, AUDI A6 Avant (4G5, 4GD, C7) S6 quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TFSI, AUDI A6 Avant (4G5, 4GD, C7) RS6 quattro, AUDI A6 Avant (4G5, 4GD, C7) 1.8 TFSI, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TDI quattro, AUDI A6 Avant (4G5, 4GD, C7) 2.0 TFSI quattro, AUDI A6 Avant (4G5, 4GD, C7) RS6 performance quattro

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A4 Saloon (8K2, B8) 2.0 TFSI Flexfuel quattro

REPLACEMENT: TRACK ROD END – AUDI A6 AVANT (4G5, 4GD, C7). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #21
- Combination spanner #24
- Drive socket # 21
- Wheel impact socket #17
- Torque wrench
- Vernier caliper
- Wheel chock

Buy tools

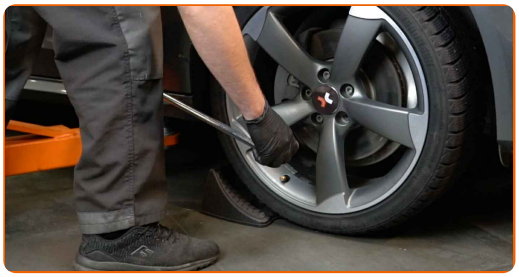
Replacement: track rod end – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC recommends:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- Please note: all work on the car – AUDI A6 Avant (4G5, 4GD, C7) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Secure the wheels with chocks.

2 Loosen the wheel mounting bolts. Use wheel impact socket #17.



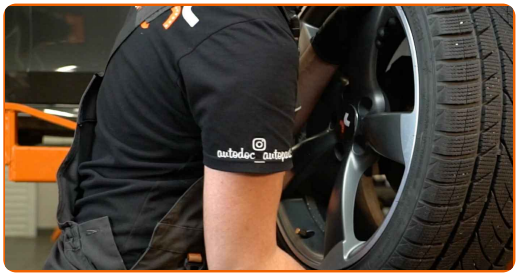
3 Raise the front of the car and secure on supports.

4 Unscrew the wheel bolts.

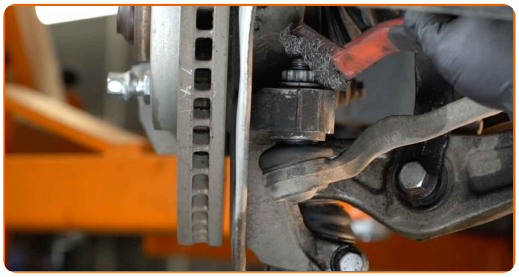
Replacement: track rod end – AUDI A6 Avant (4G5, 4GD, C7). Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

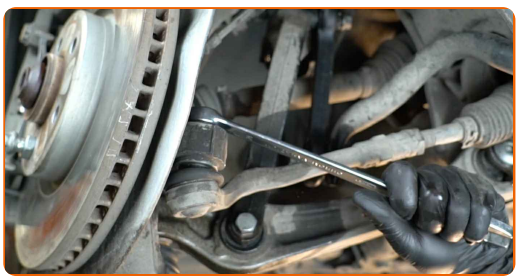
5 Remove the wheel.



6 Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



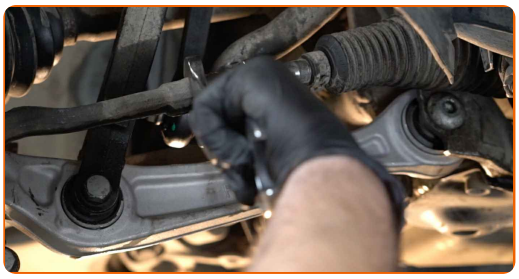
7 Unscrew the end fastening nut to the steering knuckle. Use a combination spanner #21.



8 Clean the lock nut that connects the tie rod to the tie rod end. Use a wire brush. Use WD-40 spray.

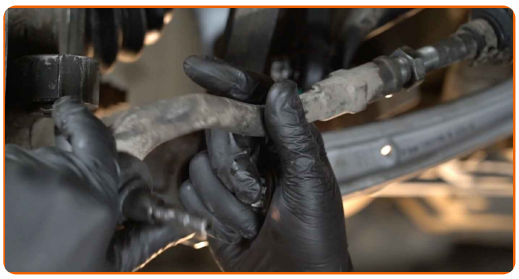
9 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.

10 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #24 (2 pieces).



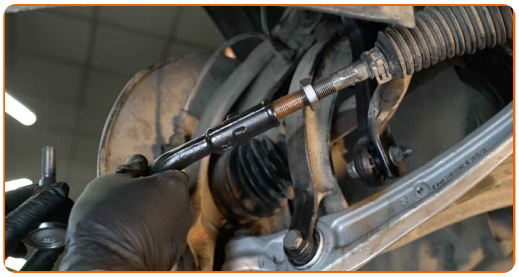
11 Disconnect the tie rod end from the steering knuckle.

12 Screw the end out of the tie rod.



13 Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.

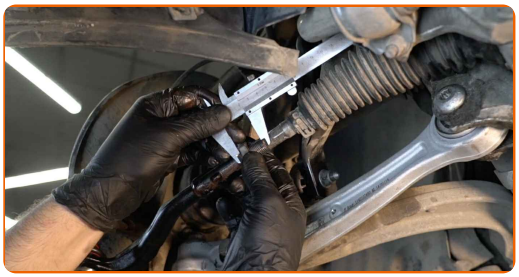
14 Screw on a new tie rod end.



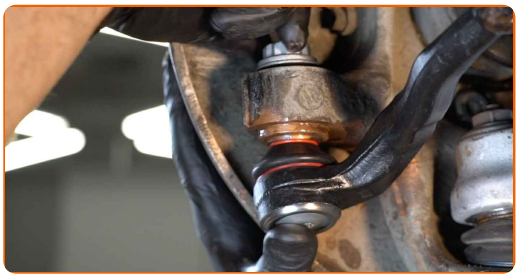
Replacement: track rod end – AUDI A6 Avant (4G5, 4GD, C7). AUTODOC experts recommend:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

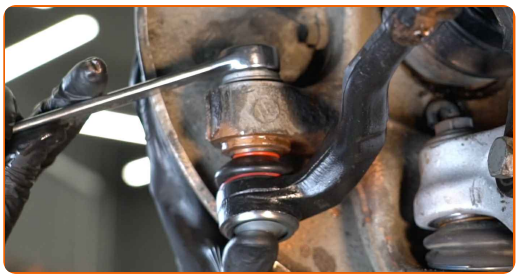
15 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



16 Connect the tie rod end to the steering knuckle.



17 Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a combination spanner #21.



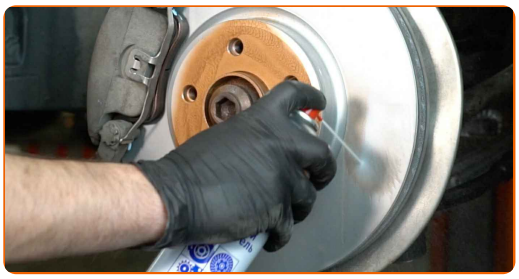
18 Tighten the tie rod end locknut. Use a combination spanner #24 (2 pieces). Use a torque wrench. Tighten it to 65 nm torque.

19 Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #21. Use a torque wrench. Tighten it to 100 nm torque.

20 Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.

21 Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

22 Clean the brake disk surface. Use a brake cleaner.



Replacement: track rod end – AUDI A6 Avant (4G5, 4GD, C7). Professionals recommend:

- After applying the spray, wait a few minutes.

23 Install the wheel.

AUTODOC recommends:

- Important! Hold the wheel while screwing in the fastening bolts. AUDI A6 Avant (4G5, 4GD, C7)

24 Screw in the wheel bolts. Use wheel impact socket #17.

25 Lower the car and working in a cross order, tighten the wheel bolts. Use wheel impact socket #17. Use a torque wrench. Tighten it to 120 nm torque.

Replacement: track rod end – AUDI A6 Avant (4G5, 4GD, C7). Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

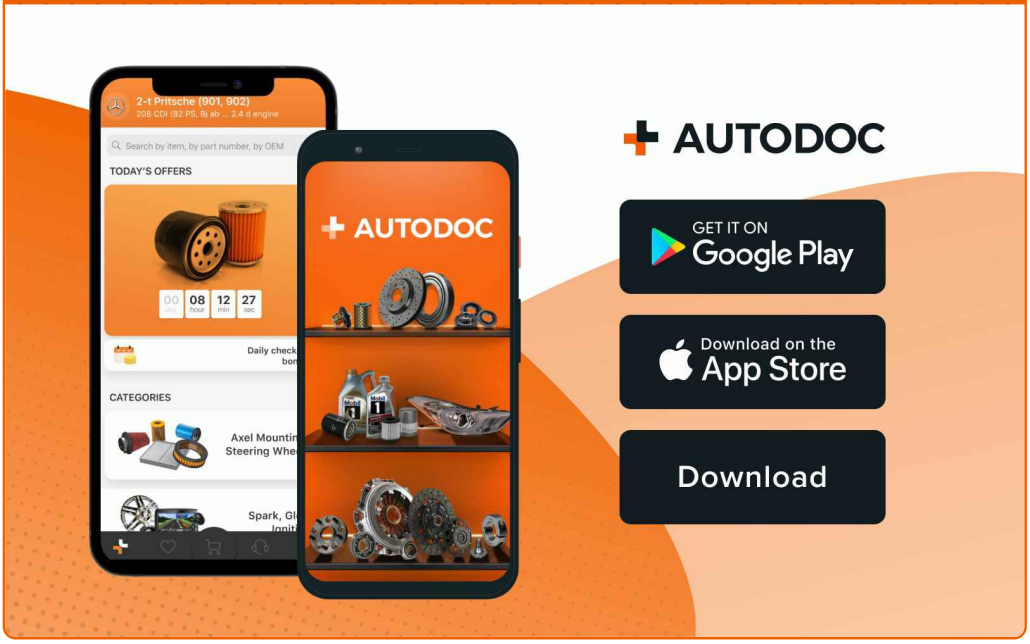
26 Remove the jacks and chocks.

WELL DONE!

VIEW MORE TUTORIALS

AUTODOC — TOP QUALITY AND AFFORDABLE CAR PARTS ONLINE

AUTODOC MOBILE APP: GREAT DEALS AND CONVENIENT SHOPPING



A GREAT SELECTION OF SPARE PARTS FOR YOUR CAR

TRACK ROD END: A WIDE SELECTION

ⓘ DISCLAIMER:

The document contains only general recommendations that may be useful for you when you perform repair or replacement work. AUTODOC shall not be liable for any loss, injury, damage of property occurring in the repair or replacement process due to incorrect use or misinterpretation of the provided information.

AUTODOC shall not be liable for any possible mistakes and uncertainties in this guide. The information provided is for information purposes only and cannot replace advice from specialists.

AUTODOC shall not be liable for incorrect or hazardous usage of equipment, tools and car parts. AUTODOC strongly recommends to be careful and observe the safety rules when performing repair or replacement works. Remember: usage of low quality auto parts does not guarantee you the appropriate level of road safety.

© Copyright 2023 – All the contents of this website, in particular texts, photographs and graphics, are protected by copyright. All rights, including reproduction, publication, editing and translation rights, are reserved by AUTODOC SE.